| Inde | ex of C | Claims |  |
|------|---------|--------|--|
|      |         |        |  |

| App | lication | No |
|-----|----------|----|
|-----|----------|----|

10/672,602

Examiner

Tuan N. Nguyen

Applicant(s)

LUTGEN, JOSEPH

Art Unit

3751

√ Rejected
= Allowed

| (Through numeral)<br>Cancelled |
|--------------------------------|
|                                |

Restricted

| ÷ |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|               | Claim Date |              |          |                 |              |                |                | 1            | Claim        |          |      |          |          |  |              |          |          | ٠, ۲     | -        | nim      | T Data 1 |          |      |       |            |          |          |          |          |          |          |                |              |                |
|---------------|------------|--------------|----------|-----------------|--------------|----------------|----------------|--------------|--------------|----------|------|----------|----------|--|--------------|----------|----------|----------|----------|----------|----------|----------|------|-------|------------|----------|----------|----------|----------|----------|----------|----------------|--------------|----------------|
| Cla           | aim        | _            |          | Date Claim Date |              |                |                |              |              |          |      |          |          | Cli  | aim          | Date     |          |          |          |          |          |          |      |       |            |          |          |          |          |          |          |                |              |                |
| Final         | Original   | 1918         |          |                 |              |                |                |              |              |          | =    | Final    | Original |  |              |          |          |          |          |          |          |          |      | Final | Original   |          |          |          |          |          |          |                |              |                |
|               |            | 3            |          | <u> </u>        | -            | ╁              | ╁╌             | _            | <del> </del> |          |      |          | 51       |  |              |          |          |          | 7        | $\dashv$ | $\dashv$ | ┪        | - 1  |       | 101        | Н        | _        |          |          |          |          | $\vdash$       |              |                |
| -             | (2)        |              |          | _               | -            | ╁              | H              | +            | H            |          |      |          | 52       | $\vdash$   |              |          |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | .    |       | 102        | Н        | $\dashv$ |          | _        | _        | _        | $\vdash$       | <u> </u>     |                |
|               | (3)        | +            | -        | -               | -            | ┝              | ┢              | ╁            | <u> </u>     | <u> </u> | 6.   |          | 53       | $\vdash$   | -            | -        | $\vdash$ | -        | $\dashv$ |          |          | -/       |      |       | 103        | $\vdash$ |          |          |          | -        | _        | $\vdash$       | <u> </u>     |                |
|               | (3)        | +            | -        | -               | -            | ┢              | <del> </del> - | ┼            | <b></b> -    |          |      |          | 54       | H  | $\vdash$     |          |          |          | $\dashv$ | $\dashv$ | +        | +        | - "  |       | 104        | $\vdash$ |          |          |          |          |          |                |              | $\vdash$       |
|               | 5          | H            |          | $\vdash$        | ┝            | ⊢              | -              | $\vdash$     | ┢            | ├        |      |          | 55       |  |              |          | -        |          | -        | $\dashv$ | $\dashv$ | -        | - 1  |       | 105        | -        |          |          | _        |          |          | $\vdash\vdash$ | $\vdash$     | $\vdash$       |
|               | 6          | Н            | ⊢        | -               | ⊢            | ├              | ┼─             | -            | ├            | -        |      |          | 56       | <del> </del> —                                   | ┢            | -        | $\vdash$ |          | -        | -        |          | $\dashv$ |      |       | 106        | -        |          | -        |          | -        | _        | $\vdash$       | <u> </u>     | H              |
| -             | 7          | H            | $\vdash$ |                 | ⊢            | ⊢              | ┢              | $\vdash$     | ┢            | $\vdash$ |      |          | 57       | -  | -            | -        | -        | $\dashv$ | -+       |          |          | -        | 1    |       | 107        | Н        | $\dashv$ |          |          |          |          | $\vdash\vdash$ | $\vdash$     | $\vdash$       |
| $\vdash$      | 8          |              | -        |                 |              | ┝              | ╁              | ⊬            | ├            | $\vdash$ |      |          | 58       | -  | $\vdash$     |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        |      |       | 108        | -        | $\dashv$ | -        |          |          | _        |                | -            | <del> </del> — |
|               | 9          |              | -        | <del> </del>    | ┝            | ⊢              | ⊢              | Ͱ            | ⊢            | ├        | · .  | -        | 59       |  |              | -        | $\vdash$ |          | +        | $\dashv$ | -        | -        | ł    |       | 109        | Н        | $\dashv$ | -        | <u> </u> | _        |          | $\vdash$       | -            | -              |
|               | 10         | $\mathbb{H}$ |          |                 | -            |                | -              | -            | ├            | -        | ł    |          | 60       | <del> </del>                                     | H            |          | -        | -        | $\dashv$ | $\dashv$ |          | -        |      |       | 110        |          | +        |          |          |          |          | Н              | H            | -              |
|               | 11         |              | <u> </u> | <u> </u>        | ┝            | ┝              | ⊢              | Ͱ            | $\vdash$     | ⊢        |      | <u> </u> |          | ├  | ├            |          | $\vdash$ |          | $\dashv$ | $\dashv$ | -        | -        | ŀ    |       |            | Н        | $\vdash$ | _        |          | _        |          | $\vdash$       | -            | <u> </u>       |
|               | 12         | ٠)،          | -        | $\vdash$        | $\vdash$     | $\vdash$       | -              | $\vdash$     | -            | $\vdash$ | nar. |          | 61<br>62 |  |              | -        | -        |          |          |          | -        |          | =    |       | 111<br>112 | $\vdash$ | $\vdash$ | -        |          |          | -        | $\vdash\vdash$ | <del> </del> |                |
|               |            | -            |          |                 | <del> </del> | $\vdash$       | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$ |      | <u> </u> | 63       | $\vdash$   | $\vdash$     |          |          | -        | +        | $\dashv$ | +        |          |      |       |            |          | -        |          |          | -        | -        |                | $\vdash$     | $\vdash$       |
|               | 13<br>14   | -            | $\vdash$ |                 |              | -              |                |              |              |          |      |          | 64       |  |              |          | -        |          |          |          |          | $\dashv$ | }    |       | 113<br>114 | -        | $\dashv$ | -        |          | $\vdash$ |          | $\vdash\vdash$ | $\vdash$     | $\vdash$       |
| <del></del>   | 15         | -            | ├—       |                 |              | -              | ├              | -            | <del>-</del> | -        | 110  |          | 65       | <del> </del>                                     | $\vdash$     | <u> </u> | $\vdash$ |          | -        | -+       | +        | -        | 1    |       | 115        | $\vdash$ | $\dashv$ | -        |          | $\vdash$ |          | Н              | Н            | $\vdash$       |
|               | 16         | -            | $\vdash$ | $\vdash$        | -            |                | $\vdash$       | $\vdash$     | $\vdash$     | $\vdash$ |      | $\vdash$ | 66       | ├-   | <del> </del> | $\vdash$ | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | 1    |       | 116        | $\vdash$ | ,        | -        |          | H        |          | $\vdash$       |              | $\vdash$       |
|               | 17         |              | _        |                 |              | <u> </u>       | ⊢              | -            | ├            | -        |      |          | 67       | ├  | <del> </del> | -        |          |          | -        |          |          | -        | 3    |       | 117        |          | $\dashv$ |          |          |          |          | Н              | $\vdash$     | <u> </u>       |
|               | 18         | _            | -        |                 |              | -              | ├              | -            | -            | -        |      |          | 68       | $\vdash$   | -            |          |          | -        | $\dashv$ | $\dashv$ | -        | - :      |      |       | 118        |          | -        | -        |          | $\vdash$ | _        | $\vdash$       | $\vdash$     | <u> </u>       |
|               | 19         |              |          |                 |              |                |                | ├            | -            | -        |      | <u> </u> | 69       | -  | $\vdash$     | -        | Н        |          | -+       | $\dashv$ | -        | -        | 1    |       | 119        | $\vdash$ | $\dashv$ | _        |          |          | _        |                |              |                |
|               | 20         |              | _        | _               |              | ⊢              | ┢              | H            | $\vdash$     | $\vdash$ | ١.   | <u> </u> | 70       | _  | _            | $\vdash$ | $\vdash$ | -        | +        | -        | -        | -17      | -    |       | 120        | $\vdash$ | $\dashv$ |          |          | _        |          | $\vdash$       | $\vdash$     | $\vdash$       |
|               |            |              | _        | _               | _            | ┝              | ┢              | ┝            | <del> </del> | <u> </u> |      | -        | 71       | -  | <u> </u>     | $\vdash$ | -        | $\dashv$ | $\dashv$ | $\dashv$ |          | -1       |      |       | 121        |          | -        | -        |          | _        |          |                |              |                |
| <u> </u>      | 21<br>22   | _            |          |                 |              | -              | -              | ┢            | $\vdash$     | -        |      |          | 72       | _  |              | _        | -        |          | +        | -        |          |          |      |       | 122        | $\dashv$ | -        | -        |          | Н        |          | $\vdash\vdash$ | $\vdash$     | $\vdash$       |
|               | 23         | _            | _        | _               | <u> </u>     | <del> </del> — | l              | <del> </del> | ├—           |          |      |          | 73       |  |              | _        | -        | -        | $\dashv$ | $\dashv$ |          | -        | ,    |       |            | -        | $\dashv$ |          |          | _        |          | $\vdash$       |              | <u> —</u>      |
|               | 24         |              |          | _               | -            |                |                | -            |              | -        |      |          | 74       |  |              |          |          | $\dashv$ | -        | -        |          | -        | -    |       | 123<br>124 | $\vdash$ | $\dashv$ | $\dashv$ |          | _        |          | $\vdash$       |              |                |
| -             | 25         |              |          |                 | _            | $\vdash$       |                |              |              | <u> </u> |      |          | 75       |  |              |          |          | -        | -        | -        | -        | -        |      |       | 125        |          | -        | -        |          | _        |          | $\vdash\vdash$ | $\vdash$     | <u> </u>       |
|               | 26         | _            |          |                 |              | <u> </u>       | ├              | _            | ├            | <u> </u> |      | <b> </b> | 76       |  | <u> </u>     |          |          |          | _        | -        | +        | -        |      |       | 125        | $\vdash$ | $\dashv$ | $\dashv$ |          | _        |          |                | _            | <u> </u>       |
|               | 27         |              |          | Н               |              | H              | ┢              | -            | -            |          |      |          | 77       |  |              |          | $\dashv$ | $\dashv$ | $\dashv$ | -        | +        | $\dashv$ | }    |       | 127        | -        | $\dashv$ | $\dashv$ |          |          |          | $\vdash$       | _            | <u> </u>       |
|               |            |              |          | Н               |              | -              | ⊢              | -            | -            | -        |      |          | 78       |  |              | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        | -        | - 4      | }    |       | 128        | $\dashv$ | $\dashv$ | $\dashv$ |          | _        |          |                |              |                |
| <u> </u>      | 28<br>29   | _            |          |                 |              | ⊢              | ├              | ├            | <del> </del> | $\vdash$ |      | <u> </u> |          | _  | <u> </u>     | -        | -        | -        |          | -        |          | -        | 1    |       |            | -        |          |          |          | _        | -        | $\dashv$       | _            | <u> </u>       |
|               |            |              | -        | -               |              | _              | ├_             |              | -            |          | 0    |          | 79       | -  | H            |          | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | 1    |       | 129        |          | $\dashv$ | -        | _        | $\dashv$ | -        | -              | _            | <u> </u>       |
|               | 30         |              |          |                 |              |                | -              | $\vdash$     |              |          |      |          | 80       | _  |              |          | -        | $\dashv$ | $\dashv$ | $\dashv$ | +        |          | -: } |       | 130        | $\dashv$ | +        | -        | _        |          |          |                |              | -              |
|               | 31         |              |          | -               | _            | H              | <u> </u>       | -            |              |          |      |          | 81<br>82 | _  |              | -        | -        | -        | -        | $\dashv$ |          | -        | 1    |       | 131<br>132 |          |          |          |          |          | -        | $\dashv$       | _            | <u> </u>       |
|               | 32         | _            | _        |                 | -            | -              | -              | ├—           |              | _        |      | -        |          |  |              | -        | -        | -        | +        | $\dashv$ | -        | -        | -    |       | 132        |          |          |          |          |          |          |                |              |                |
| <u> </u>      | 33         |              |          |                 |              | -              | ⊢              | $\vdash$     |              |          |      | $\vdash$ | 83       | ├  | -            |          |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$ |      |       | 133        | $\vdash$ | $\dashv$ |          |          | -        |          |                |              |                |
| $\vdash$      | 34         | $\vdash$     |          | Н               |              | $\vdash$       | $\vdash$       | $\vdash$     | $\vdash$     | <u> </u> | -2.  | $\vdash$ | 84       | $\vdash$   | $\vdash$     | $\vdash$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -    |       | 134        | $\vdash$ | $\dashv$ | -        |          | -        | $\dashv$ | $\dashv$       | _            | $\vdash$       |
| <b>-</b>      | 35         |              |          |                 | _            | -              | -              | -            |              | -        | -    |          | 85       |  | -            | $\vdash$ | -        |          | $\dashv$ | $\dashv$ |          | 4        | }    |       | 135        |          |          |          | -        | -        |          |                |              |                |
| <del> </del>  | 36<br>37   |              |          | -               |              |                |                |              |              | -        |      |          | 86       | -  | -            |          | $\vdash$ |          | $\dashv$ | $\dashv$ | +        | $\dashv$ | ŀ    |       | 136        | $\dashv$ | $\dashv$ | -        | _        |          |          | $\dashv$       | -            | <del></del>    |
| $\vdash$      | 38         |              |          |                 |              |                |                | <del> </del> | -            |          |      |          | 87<br>88 | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ |          | $\dashv$ | $\dashv$ | +        | $\dashv$ | .    |       | 137<br>138 | $\dashv$ | $\dashv$ | _        | _        | -        |          |                |              | $\vdash$       |
|               | 39         | $\dashv$     |          | $\dashv$        |              | <u> </u>       | $\vdash$       | $\vdash$     | $\vdash$     | Н        |      | <u> </u> | 89       | $\vdash$   | -            |          |          |          | -+       | $\dashv$ | +        | -        | . }  |       | 138        |          | $\dashv$ |          | -        |          | $\dashv$ | $\dashv$       |              | $\vdash$       |
| ļ             | 40         |              |          | $\vdash$        |              |                | -              | $\vdash$     | -            | $\vdash$ | d    | $\vdash$ | 90       | $\vdash$   |              |          |          | $\dashv$ | $\dashv$ | -+       | -+       |          | ŀ    |       | 140        | $\dashv$ | $\dashv$ | -        |          | -        | $\dashv$ | $\dashv$       | -            | $\vdash$       |
| <u> </u>      |            |              |          | $\vdash$        |              | $\vdash$       | -              | ٠,           | -            | -        |      |          |          | -  |              | -        |          |          | $\dashv$ | +        | +        | $\dashv$ | ŀ    |       |            |          | +        | $\dashv$ | -        |          |          |                | $\dashv$     | $\vdash$       |
|               | 41         | -            | -        | $\vdash$        |              | $\vdash$       | ├              | -            | -            | Н        |      |          | 91<br>92 |  | $\vdash$     |          | -        |          | +        | $\dashv$ | +        | $\dashv$ | 1    |       | 141<br>142 |          | $\dashv$ | -        |          | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$     |                |
| <u> </u>      | 42         |              |          |                 |              | <u> </u>       | $\vdash$       | $\vdash$     | $\vdash$     | H        | ř.   |          | 93       | -  | ,            | -        |          | $\dashv$ | $\dashv$ | -        | +        | ".       | . }  |       | 143        | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | $\dashv$ |                |              | _              |
|               | 43         |              |          |                 |              |                |                |              | -            | $\vdash$ |      |          | 94       | -  | H            | -        | -        | -        | $\dashv$ | $\dashv$ | +        | $\dashv$ | ŀ    |       | 144        | $\dashv$ | -        | $\dashv$ | -        |          |          |                |              |                |
| <b></b>       | 45         | -            | -        | -               |              |                |                | -            |              | $\vdash$ | _    |          | 95       | <del>                                     </del> |              |          | $\dashv$ | $\dashv$ | $\dashv$ | +        | +        |          | 1    |       | 144        |          | $\dashv$ | -        |          | -        |          | $\dashv$       | $\dashv$     |                |
|               | 46         |              | $\dashv$ |                 |              |                | $\vdash$       | H            | $\vdash$     | $\vdash$ |      |          | 96       | -  | -            |          | $\dashv$ | -        | $\dashv$ | +        | +        | -        | : }  |       | 146        | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$       |              | _              |
| <u> </u>      | 46         | -            | $\dashv$ |                 |              | H              | -              | -            | $\vdash$     | =        |      |          | 97       | $\vdash$   | $\vdash$     |          | $\dashv$ | $\dashv$ | +        | $\dashv$ | +        |          | ŀ    |       | 147        | $\dashv$ | -+       | -        |          |          |          | $\dashv$       | $\dashv$     |                |
|               | 48         | -            | $\dashv$ | -               |              | H              | -              | $\vdash$     | $\vdash$     | $\vdash$ | . '  |          | 98       | _  | $\vdash$     |          | -        | $\dashv$ | +        | $\dashv$ | +        | $\dashv$ | +    | -     | 148        |          | $\dashv$ |          | -        | -        |          | $\dashv$       |              |                |
| $\vdash$      | 48         | -            |          | -               |              | $\vdash$       | $\vdash$       | Н            |              |          |      |          | 99       |  | $\vdash$     |          |          | $\dashv$ | +        | +        | +        | -        | 1    |       | 149        | $\dashv$ | $\dashv$ | -        |          |          |          | $\dashv$       | $\dashv$     | _              |
| <del>  </del> | 50         | -            | $\dashv$ | $\dashv$        | -            | $\vdash$       |                | ├─┤          | $\vdash$     |          | 1 40 |          | 100      |  |              |          | $\dashv$ |          | $\dashv$ | +        |          | $\dashv$ | ŀ    |       | 150        |          | $\dashv$ | -+       | -        | -        |          |                | $\dashv$     | _              |
|               | JU         | - 1          | - 1      | - 1             |              |                |                |              | 1 1          |          | 1.   | i 1      | 100      | i  |              |          |          | - 1      | - 1      | - 1      | - 1      | - 1      |      |       | 100        |          | - 1      | - 1      | - 1      | - 1      | - 1      |                |              |                |